

AMENDMENT TO THE CLAIMS

1. (Currently Amended) A digital residential entertainment system, comprising:
 - a media server tuning to a transport layer and transmitting the entire transport layer, rather than a single program stream, over a network bus;
 - a network input/output module receiving the transport layer off the network bus;
 - a decryption module that decrypts decrypting the transport layer;
 - a demultiplexer that demultiplexes demultiplexing the transport layer; and
 - a decoder that decodes decoding the transport layer.
2. (Currently Amended) The digital residential entertainment system of claim 1, further comprising a digital-to-analog converter that converts converting the digital transport layer to analog signals.
3. (Currently Amended) The digital residential entertainment system of claim 1, further comprising a conditional access system (CAS) that restricts restricting access to media services offered via the transport layer to authorized customers.
4. (Currently Amended) The digital residential entertainment system of claim 3, wherein the conditional access system CAS comprises a card reader and an access card.
5. (Currently Amended) The digital residential entertainment system of claim 3, wherein the conditional access system CAS comprises a secured network conditional access system GAS.
6. (Currently Amended) The digital residential entertainment system of claim 5, wherein the secured network conditional access system GAS comprises a secured Internet Protocol (IP) connection to an authentication service provider.

7. (Currently Amended) The digital residential entertainment system of claim 6, wherein the secured Internet Protocol (IP) connection is an IPsec connection.
8. (Currently Amended) The digital residential entertainment system of claim 5, wherein the secured network conditional access system CAS comprises a broadband connection to an authentication service provider.
9. (Currently Amended) The digital residential entertainment system of claim 8, wherein the broadband connection is a private virtual circuit (PVC) connection.
10. (Currently Amended) The digital residential entertainment system of claim 1, wherein the decrypting, demultiplexing and decoding functions are integrated into a single chip.
11. (Currently Amended) The digital residential entertainment system of claim 1, wherein the network input/output module, the decryption module, the demultiplexer and the decoder comprise a computer-readable medium comprising computer-readable instructions, which when executed perform the functions of the network input/output module, the decryption module, the demultiplexer and the decoder.
12. (Currently Amended) A digital residential entertainment system, comprising:
 - a tuner array receiving and demodulating a plurality of transport layers, tuning to a specific transport layer identified by a decoder and sending the entire identified transport layer, rather than a single program stream, over a bus;
 - a network input/output module retrieving the identified transport layer from the bus;
 - a decryption module that decrypts decrypting the identified transport layer;
 - a demultiplexer that demultiplexes demultiplexing the identified transport layer;and
 - the decoder decoding the identified transport layer.

13. (Currently Amended) The digital residential entertainment system DRES of claim 12, wherein the decoder is part of a thin client set top box.
14. (Currently Amended) The digital residential entertainment system DRES of claim 12, further comprising a digital-to-analog converter that converts ~~converting~~ the identified transport layer to analog signals.
15. (Currently Amended) The digital residential entertainment system DRES of claim 12, further comprising a conditional access system (CAS) that restricts ~~restricting~~ access to media services offered via the transport layer to authorized customers.
16. (Currently Amended) The digital residential entertainment system DRES of claim 12, wherein the identified transport layer is an Ethernet transport layer.